

Title (en)

AIR START UNIT FOR STARTING AND SERVICING JET ENGINES IN AIRCRAFT

Title (de)

BODENSTARTGERÄT ZUM STARTEN UND WARTEN VON STRAHLTRIEBWERKEN VON FLUGZEUGEN

Title (fr)

GROUPE DE DÉMARRAGE PNEUMATIQUE SERVANT AU DÉMARRAGE ET À L'ENTRETIEN DE MOTEURS À RÉACTION D'AÉRONEFS

Publication

EP 3523199 A1 20190814 (DE)

Application

EP 17777018 A 20170927

Priority

- DE 102016118743 A 20161004
- EP 2017074501 W 20170927

Abstract (en)

[origin: WO2018065274A1] Air start unit for starting and servicing jet engines in aircraft and other flying machines, wherein at least one compressor (1) is provided for generating air and a power supply (10) for supplying electrical power consumers. The proposed air start unit drives the compressor with at least one electric motor (2), with the electric motor drawing the electrical energy for operation from a high-voltage battery (5). The electric motors then in turn drive the compressor, which generates compressed air from ambient air for the purpose of starting and servicing the jet engines in aircraft and other flying machines. With an appropriate battery capacity, the air start unit can also supply power to electrical power consumers of these aircraft and other flying machines via the power supply.

IPC 8 full level

B64F 1/34 (2006.01); **B64F 1/36** (2017.01)

CPC (source: EP US)

B64F 1/34 (2013.01 - EP US); **B64F 1/35** (2024.01 - EP); **B64F 1/362** (2013.01 - EP); **F02C 7/27** (2013.01 - US); **F02C 7/32** (2013.01 - US); **B64D 27/16** (2013.01 - US); **F05D 2260/85** (2013.01 - US)

Citation (search report)

See references of WO 2018065274A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016118743 A1 20180405; **DE 102016118743 B4 20200102**; CN 109689504 A 20190426; DK 3523199 T3 20201109; DK 3523199 T4 20240226; EP 3523199 A1 20190814; EP 3523199 B1 20200812; EP 3523199 B2 20231220; ES 2822177 T3 20210429; ES 2822177 T5 20240708; FI 3523199 T4 20240220; PL 3523199 T3 20210419; PL 3523199 T5 20240304; PT 3523199 T 20201027; US 11619173 B2 20230404; US 2019234312 A1 20190801; WO 2018065274 A1 20180412

DOCDB simple family (application)

DE 102016118743 A 20161004; CN 201780050416 A 20170927; DK 17777018 T 20170927; EP 17777018 A 20170927; EP 2017074501 W 20170927; ES 17777018 T 20170927; FI 17777018 T 20170927; PL 17777018 T 20170927; PT 17777018 T 20170927; US 201916375289 A 20190404